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# Product datasheet for MR229202

## Cd209b (NM_001287211) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Cd209b (NM_001287211) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Cd209b |
| **Synonyms:** | 1810030I22Rik; DC-SIGNR1; mSIGNR1; OtB7; SIGNR1 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>MR229202 representing NM_001287211
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGACTCCACAGAAGCCAAGATGCAGCCTCTTAGCTCCATGGACGATGATGAGTTGATGGTCAGCG
GCAGCAGGTATTCTATTAAAAGCTCCAGACTACGACCAAATTCTGGAATCAAGTGTTTGGCAGTCTCCAA
AACCCCAAATACCGAGAGGCAGAAGGAACAAGAGAAGATCCTCCAGGAACTGACCCAGCTGACAGATGAG
CTTACGTCCAGGATCCCCATCTCCCAAGGGAAGAATGAGTCCATGCAGGCGAAGATCACTGAGCAACTGA
TGCAGCTGAAAACTGAACTCTTGTCCAGGATTCCCATCTTCCAGGGGCAGAATGAGTCCATACAAGAGAA
GATCTCTGAGCAACTGATGCAGCTGAAGGCTGAACTTCTTTCCAAGATCTCCAGCTTCCCGGTAAAGGAT
GATTCTAAGCAGGAGAAGATCTACCAACAGCTGGTACAGATGAAGACTGAACTCTTCCGCCTGTGTCGAC
TCTGCCCCTGGGACTGGACATTCCTCCTAGGAAATTGTTACTTCTTCTCCAAGTCCCAGCGGAACTGGAA
TGACGCCGTCACAGCTTGCAAAGAAGTGAAGGCTCAACTAGTCATCATCAATAGTGATGAAGAGCAGACC
TTCCTGCAGCAGACTTCTAAGGCTAAAGGACCAACCTGGATGGGCCTGTCAGACCTGAAGAAGGAGGCCA
CGTGGCTCTGGGTAGATGGTTCTACTCTGTCATCCAGCAGACCCAGGCATGCCCCCATCTCCAGAGGAAG
GCCCATCTACAATATGCATTCTGGAAGGAGATTCCAGAAATATTGGAATAGAGGGGAGCCTAACAACATC
GGTGAGGAAGACTGTGTCGAATTTGCTGGGGATGGCTGGAATGACTCTAAATGTGAACTCAAAAAGTTCT
GGATCTGCAAGAAGTCTGCAACCCCATGCACTGAAGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:**

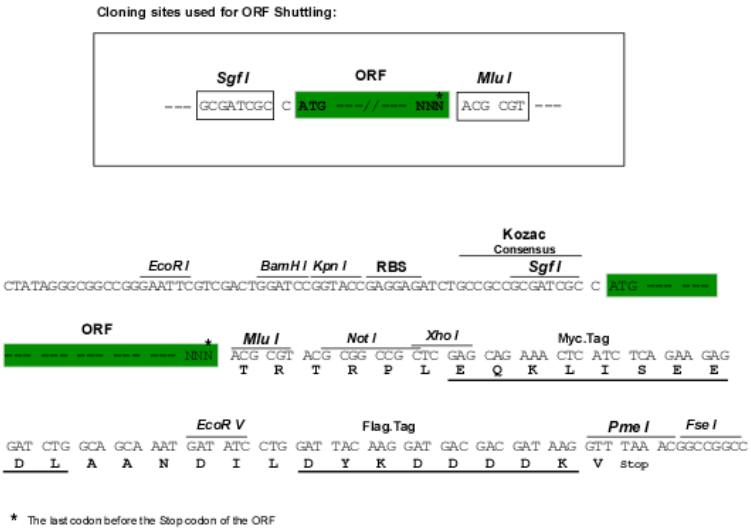
>MR229202 representing NM_001287211
Red=Cloning site Green=Tags(s)

MSDSTEAKMQPLSSMDDDELMVSGSRYSIKSSRLRPNSGIKCLAVSKTPNTERQKEQEKILQELTQLTDE
LTSRIPISQGKNESMQAKITEQLMQLKTELLSRIPIFQGQNESIQEKISEQLMQLKAELLSKISSFPVKD
DSKQEKIYQQLVQMKTELFRLCRLCPWDWTFLLGNCYFFSKSQRNWNDAVTACKEVKAQLVIINSDEEQT
FLQQTSKAKGPTWMGLSDLKKEATWLWVDGSTLSSSRPRHAPISRGRPIYNMHSGRRFQKYWNRGEPNNI
GEEDCVEFAGDGWNDSKCELKKFWICKKSATPCTEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_001287211

**ORF Size:** 948 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** NM_001287211.1, NP_001274140.1

**RefSeq Size:** 2041 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 69165

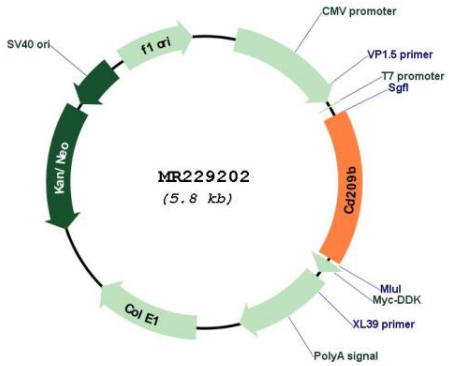
**UniProt ID:** Q8CJ91

**Cytogenetics:** 8 A1.1

**MW:** 36.8 kDa

**Gene Summary:** Probable pathogen-recognition receptor. May mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. May recognize in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens. Is a receptor for ICAM3, probably by binding to mannose-like carbohydrates. [UniProtKB/Swiss-Prot Function]

## Product images:




Circular map for MR229202